**Algebra II Name:**

**1.17 Warm Up – Writing About Functions Date:**

1. What is a *function*?

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1. What does it mean that every function “follows a rule”? Explain, and then give an example.

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1. A friend tells you that the number of songs on his phone is a function of time. Is he right? Make an algebraically sound argument one way or the other.

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1. Mr. Stiff’s oldest daughter, Dorothy, has just learned to read. The number of books she has read is a function of time. What are the domain and range of this function?

**Domain:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Range:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_